

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P323944

Luminaire Tested: **GAN-SA0D-760-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-760-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62330 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

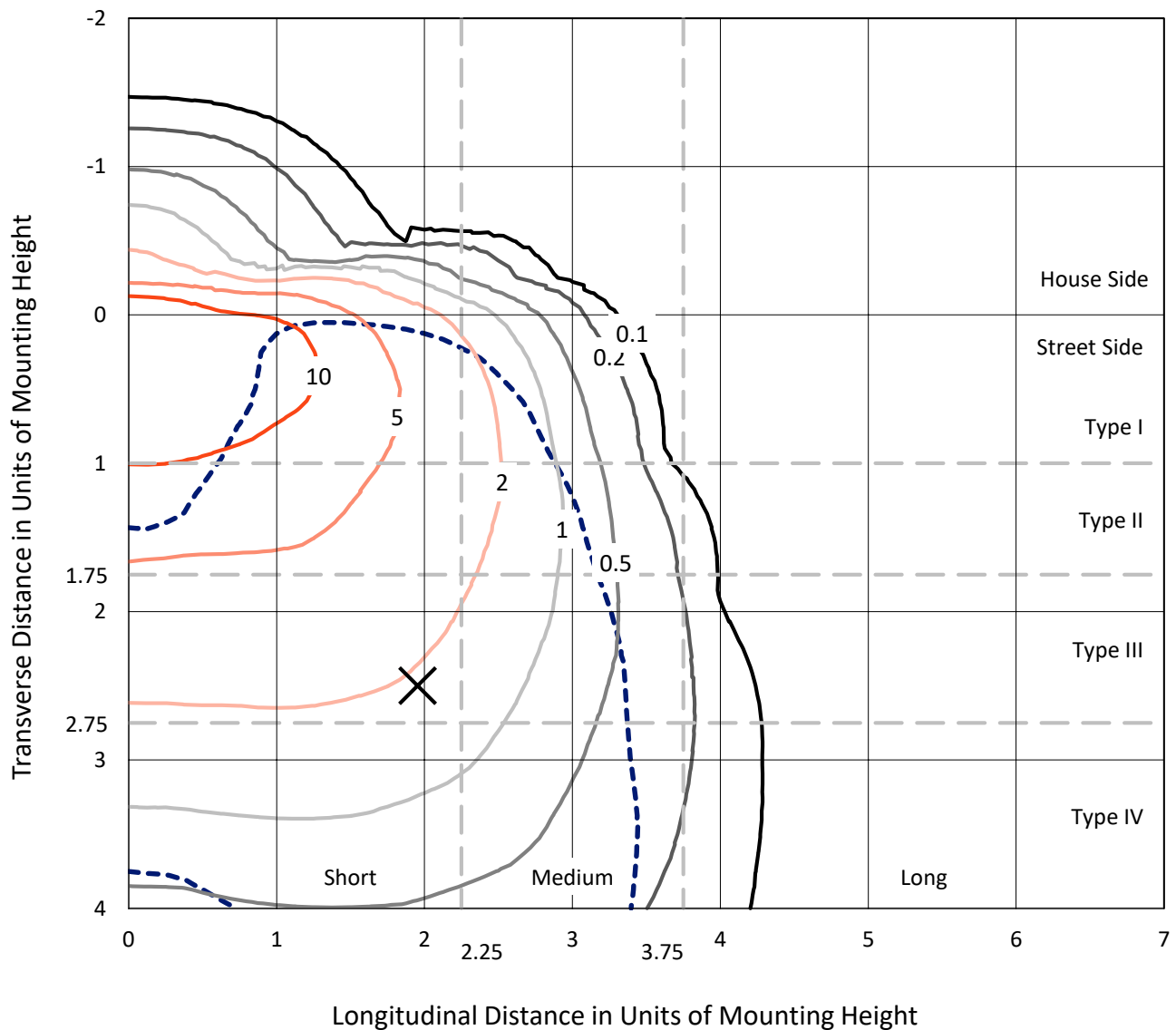
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

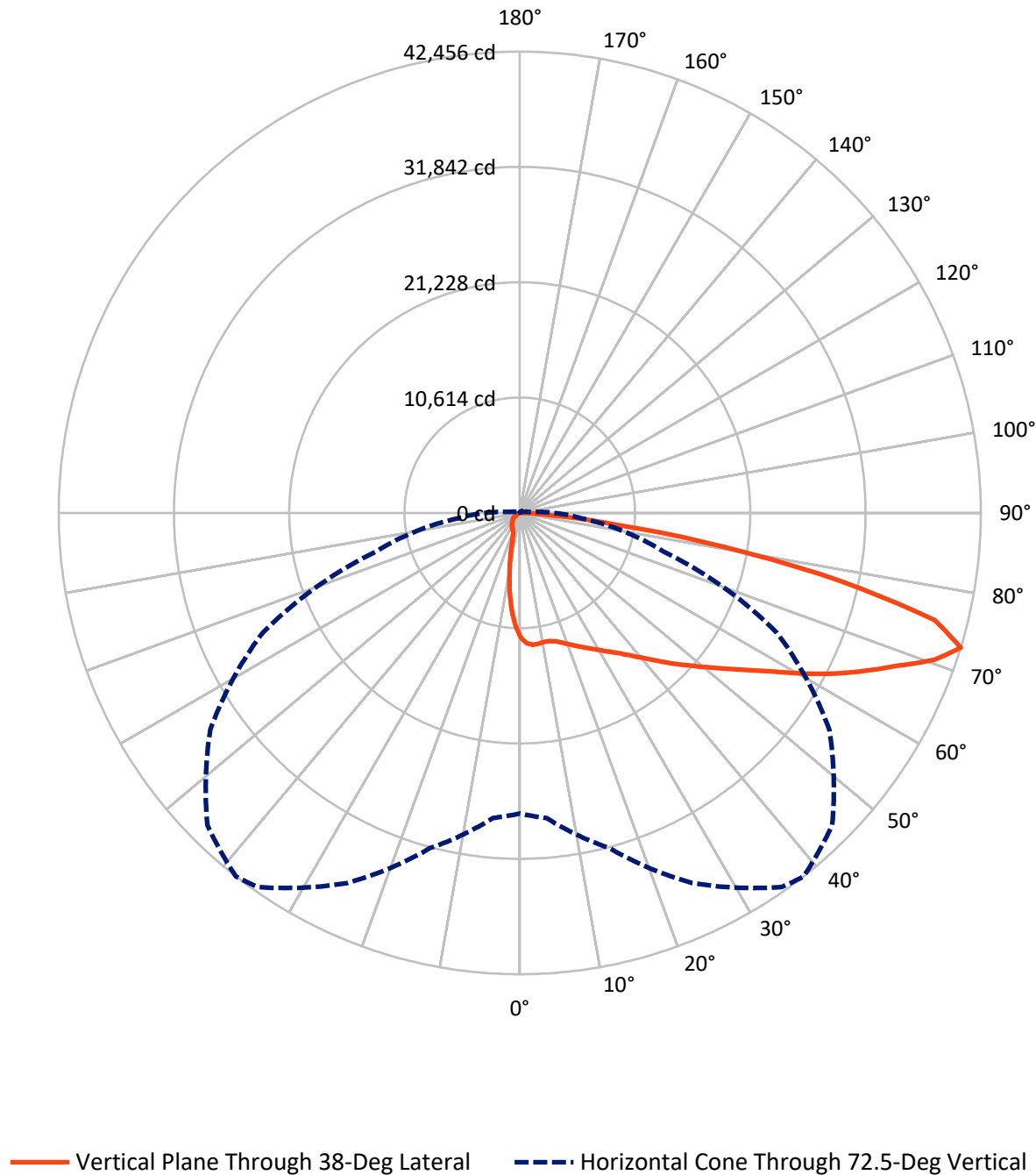
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5245.3	0.0	5245.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	57084.7	0.0	57084.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	62330.0	0.0	62330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.8	1.6
10°-20°	2388.5	3.8
20°-30°	3798.9	6.1
30°-40°	5711.2	9.2
40°-50°	8712.8	14.0
50°-60°	12314.2	19.8
60°-70°	15446.1	24.8
70°-80°	11549.4	18.5
80°-90°	1432.1	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	62330.0	100.0
0°-180°	62330.0	100.0

Coefficient of Utilization



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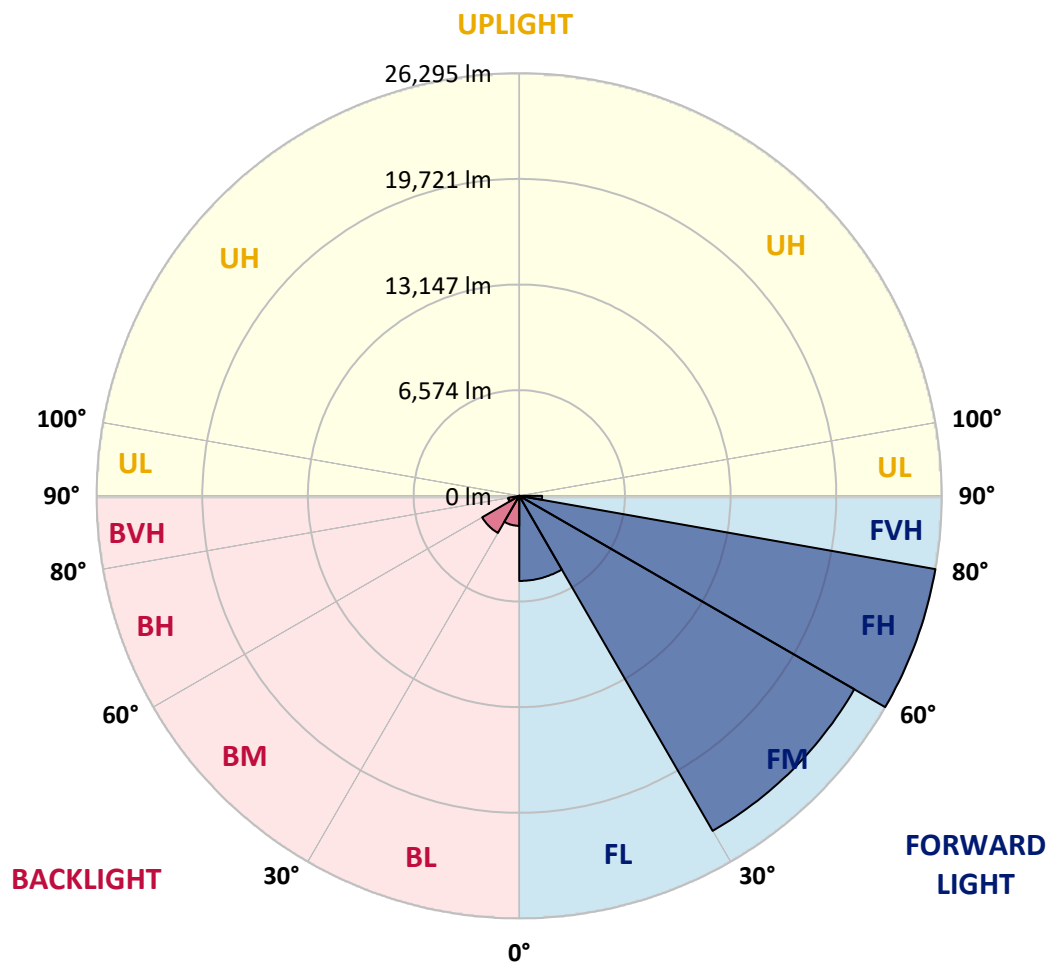
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5296.5	8.5			
FM	(30°-60°)	24074.6	38.6			
FH	(60°-80°)	26294.8	42.2			G5
FVH	(80°-90°)	1418.7	2.3			G5
BL	(0°-30°)	1867.7	3.0	B3/2500		
BM	(30°-60°)	2663.6	4.3	B3/5000		
BH	(60°-80°)	700.7	1.1	B2/1000		G2/1000
BVH	(80°-90°)	13.4	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3
2.5°	12166.4	12169.0	12140.5	12093.9	12034.4	12003.3	11951.5	11868.7	11780.7	11622.8	11451.9
5°	12414.9	12414.9	12378.6	12316.5	12220.7	12192.3	12093.9	11961.9	11780.7	11524.4	11237.1
7.5°	12389.0	12394.2	12345.0	12280.3	12184.5	12158.6	12039.5	11892.0	11666.8	11356.1	10988.6
10°	12254.4	12267.3	12228.5	12197.4	12109.4	12081.0	11969.6	11822.1	11596.9	11265.5	10843.6
12.5°	12117.2	12130.1	12143.1	12171.6	12117.2	12106.8	12018.8	11894.6	11679.7	11335.4	10859.1
15°	12029.2	12055.1	12148.3	12259.6	12272.5	12262.2	12205.2	12088.7	11871.3	11514.1	10970.4
17.5°	12029.2	12070.6	12264.7	12477.0	12552.1	12559.8	12510.7	12347.6	12088.7	11705.6	11074.0
20°	12130.1	12187.1	12490.0	12790.2	12914.5	12914.5	12818.7	12590.9	12288.0	11879.0	11143.9
22.5°	12389.0	12464.1	12844.6	13191.5	13323.5	13295.0	13165.6	12834.2	12495.1	12075.8	11231.9
25°	12898.9	12955.9	13352.0	13701.4	13781.7	13716.9	13553.9	13129.3	12759.2	12342.4	11392.4
27.5°	13556.5	13564.2	13973.2	14268.3	14219.1	14175.1	13970.6	13499.5	13139.7	12722.9	11669.4
30°	14278.7	14278.7	14638.5	14863.7	14713.6	14677.3	14472.8	13947.3	13626.3	13240.6	12062.8
32.5°	14977.6	15008.7	15301.2	15443.5	15275.3	15239.0	15039.7	14514.2	14273.5	14030.2	12676.3
35°	15653.2	15676.5	15953.5	16031.1	15870.7	15881.0	15738.6	15293.4	15202.8	15171.7	13600.5
37.5°	16308.1	16313.3	16595.5	16644.6	16564.4	16652.4	16665.3	16271.9	16440.1	16691.2	14902.5
40°	16906.1	16911.3	17190.8	17317.7	17454.9	17568.8	17669.7	17460.0	18016.6	18599.0	16453.1
42.5°	17385.0	17439.3	17794.0	18034.7	18397.1	18614.6	18888.9	18878.6	19893.3	20768.3	18327.2
45°	17806.9	17900.1	18394.5	18816.5	19437.7	19784.6	20214.3	20550.8	22005.6	23183.4	20224.7
47.5°	18363.5	18451.5	19015.8	19706.9	20535.3	20990.9	21702.7	22430.1	24327.6	25554.6	22078.1
50°	19147.8	19109.0	19665.5	20657.0	21720.9	22318.8	23333.6	24423.4	26631.4	27620.3	23167.9
52.5°	19983.9	19968.4	20380.0	21689.8	23118.7	23817.6	25158.5	26483.9	28834.3	29044.0	23667.5
55°	21019.4	20908.1	21254.9	22867.6	24778.0	25528.7	27107.7	28523.7	30589.4	29846.5	23918.6
57.5°	22104.0	21920.2	22251.5	24180.0	26649.5	27537.4	29266.6	30511.7	31756.8	30395.2	23916.0
60°	23224.8	23007.4	23400.9	25821.2	28974.1	30001.8	31606.7	31855.2	32846.6	30672.2	23740.0
62.5°	24161.9	24032.5	24617.5	27576.3	31570.5	32580.0	33374.7	33077.0	33765.6	30887.1	23328.4
65°	25153.3	25161.1	26105.9	29623.8	34329.9	35010.7	35078.0	34661.2	34534.4	30843.1	21935.7
67.5°	26494.2	26618.5	28194.9	32404.0	37014.3	37539.7	37534.6	36377.5	35096.1	29093.2	18847.5
70°	27912.8	28205.3	30602.3	35585.4	39944.5	40477.8	40203.4	37469.9	33046.0	23525.1	13339.0
72.5°	27674.6	28182.0	31940.6	37591.5	42049.1	42455.5	40671.9	34785.5	26118.9	13672.9	5679.4
75°	21350.7	21938.3	29287.3	35603.5	39841.0	39476.0	34946.0	27068.9	14273.5	3815.6	1278.8
77.5°	11278.5	11591.7	19347.1	27123.3	31065.7	30302.0	24617.5	15016.4	4351.4	944.8	574.7
80°	5907.2	5979.6	8431.0	15389.2	19173.7	19178.9	14589.3	6595.7	1793.9	484.1	385.7
82.5°	3163.3	3225.4	4455.0	7110.9	10046.3	9106.7	5586.2	3629.2	1043.2	274.4	370.2
85°	761.0	774.0	2526.5	3248.7	3950.2	2821.6	1659.3	3046.8	282.2	160.5	300.3
87.5°	292.5	297.7	937.1	1405.6	1007.0	652.3	776.6	1136.4	36.2	62.1	46.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3	11462.3
2.5°	11348.4	11281.1	11115.4	10905.7	10719.4	10584.7	10382.8	10250.8	10162.8	10160.2	10126.6
5°	11061.0	10923.9	10566.6	10142.1	9756.4	9409.5	9000.5	8677.0	8436.2	8397.4	8314.6
7.5°	10753.0	10527.8	9979.0	9316.3	8669.2	8011.7	7248.1	6774.3	6367.9	6173.8	6153.1
10°	10564.0	10248.2	9469.1	8511.3	7496.6	6427.5	5428.3	4737.1	4237.5	4095.2	3989.0
12.5°	10525.2	10108.4	9075.6	7755.4	6305.8	4892.4	3787.1	3051.9	2653.3	2526.5	2492.8
15°	10564.0	10043.7	8744.3	7007.3	5099.5	3471.3	2542.0	2114.9	1964.7	1928.5	1925.9
17.5°	10587.3	9966.1	8368.9	6176.4	3929.5	2479.9	1946.6	1822.4	1799.1	1796.5	1801.7
20°	10584.7	9847.0	7921.1	5249.7	2922.5	1949.2	1760.2	1734.4	1729.2	1731.8	1729.2
22.5°	10566.6	9707.2	7429.3	4294.5	2208.1	1742.1	1680.0	1664.5	1661.9	1661.9	1661.9
25°	10600.3	9595.9	6888.2	3380.7	1819.8	1646.3	1607.5	1594.6	1592.0	1592.0	1586.8
27.5°	10721.9	9533.8	6295.5	2601.5	1643.8	1560.9	1529.9	1527.3	1519.5	1516.9	1522.1
30°	10918.7	9533.8	5645.7	2024.3	1537.6	1472.9	1449.6	1444.4	1441.8	1439.3	1441.8
32.5°	11265.5	9606.3	4936.4	1682.6	1436.7	1374.5	1359.0	1366.8	1359.0	1359.0	1359.0
35°	11892.0	9823.7	4193.5	1467.7	1330.5	1278.8	1263.2	1273.6	1268.4	1268.4	1265.8
37.5°	12805.8	10227.5	3445.4	1338.3	1237.3	1183.0	1162.3	1177.8	1172.6	1172.6	1170.0
40°	13918.9	10815.1	2733.6	1239.9	1146.7	1089.8	1071.7	1079.4	1066.5	1066.5	1071.7
42.5°	15293.4	11560.6	2112.3	1144.2	1056.1	1001.8	991.4	983.7	960.4	947.4	950.0
45°	16820.7	12337.2	1646.3	1051.0	970.7	926.7	911.2	890.5	851.6	825.8	828.3
47.5°	18184.9	12935.2	1338.3	960.4	893.1	859.4	836.1	797.3	740.3	709.3	711.9
50°	18901.9	13025.8	1139.0	869.8	820.6	786.9	753.3	693.7	626.4	592.8	590.2
52.5°	19085.7	12601.3	991.4	786.9	748.1	709.3	665.3	585.0	510.0	473.7	468.5
55°	19153.0	11954.1	859.4	709.3	670.4	626.4	569.5	478.9	409.0	372.8	370.2
57.5°	18930.4	10988.6	755.9	639.4	592.8	538.4	468.5	383.1	315.8	287.3	287.3
60°	18435.9	9681.3	675.6	564.3	512.5	450.4	377.9	297.7	235.6	212.3	212.3
62.5°	17449.7	7988.4	600.6	486.7	437.5	372.8	305.5	225.2	165.7	152.7	155.3
65°	15588.5	6059.9	525.5	416.8	372.8	308.0	238.2	160.5	111.3	111.3	116.5
67.5°	12712.6	4209.0	447.8	354.6	321.0	251.1	181.2	111.3	77.7	88.0	98.4
70°	8415.5	2360.8	383.1	292.5	274.4	199.3	134.6	75.1	62.1	82.8	101.0
72.5°	3176.2	918.9	321.0	235.6	238.2	152.7	95.8	56.9	56.9	90.6	119.1
75°	885.3	450.4	230.4	173.4	186.4	111.3	69.9	49.2	54.4	103.5	139.8
77.5°	520.3	331.3	150.1	101.0	126.8	77.7	46.6	38.8	46.6	88.0	134.6
80°	419.4	176.0	88.0	51.8	69.9	44.0	31.1	23.3	12.9	33.7	69.9
82.5°	419.4	106.1	41.4	36.2	36.2	23.3	15.5	10.4	2.6	0.0	18.1
85°	282.2	44.0	25.9	23.3	18.1	7.8	5.2	2.6	0.0	0.0	0.0
87.5°	46.6	18.1	10.4	5.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)